

SAFETY DATA SHEET (SDS)**SECTION 1: IDENTIFICATION OF PRODUCT (MIXTURE) AND SUPPLIER**

Product Name:	BioPlex 2200 Instrument Rhodamine Solution
Product Number:	666-0005 (10 mL)
Intended Use:	Not for distribution to customers. For Bio-Rad Service Personnel use. Intended for use with the Bio-Rad BioPlex 2200 System. Read and follow BioPlex 2200 System Instrument Manual instructions.
Manufactured by:	Bio-Rad Laboratories, Inc.
Address:	6565 185th Avenue NE Redmond, WA 98052-5039, USA
Website:	www.bio-rad.com
Phone Number:	1-800-2-BIORAD (1-800-224-6723); or 1-425-881-8300 (daytime PT)
SDS e-mail contact:	ro-sds@bio-rad.com
Technical Information Contacts:	Bio-Rad provides a toll free line for technical assistance, available 24 hours a day, 7 days a week. In the United States of America and Puerto Rico, call toll free 1-800-2-BIORAD (1-800-224-6723). Outside the U.S.A., please contact your regional Bio-Rad office for assistance. <i>Refer to section 16 for non-US local Bio-Rad agent contact information.</i>
Authorized Representative in the European Community:	FRANCE: Bio-Rad 3 boulevard Raymond Poincaré 92430 Marnes-la-Coquette Phone: +33 (0) 1 47 95 60 00 / Fax: +33 (0) 1 47 41 91 33 [fds-msds.fr@bio-rad.com]
Australian Importer:	Australia: Bio-Rad Laboratories Pty. Ltd., Level 5, 446 Victoria Road, Gladesville NSW 2111 Phone 61 2 9914 2800 Emergency numbers (24h/365d): 1 800 039 008 CHEMTREC Australia (Sydney): +(61)-290372994 sales.australia@bio-rad.com
New Zealand Importer:	Bio-Rad New Zealand, 189 Bush Road Unit B, Albany, Auckland Phone 64-9-415-2280 Emergency numbers (24h/365d): 800 2436 2255 CHEMTREC New Zealand (Auckland): +(64)-98010034 sales.nz@bio-rad.com
Canadian Importer:	Canada: Bio-Rad Laboratories, Ltd. 2403 Guénette Street, Montréal Québec H4R 2E9 Phone 1-514-334-4372 Emergency number (24h/365d): 1-514-334-4372 CHEMTREC: 1-800-424-9300 or 1-703-527-3887
Emergency Phone Number:	This SDS is listed with CHEMTREC 1-800-424-9300 or 1-703-527-3887 (US/CA) / +1-703-741-5970 (international – can be called collect). Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT with this product. <i>Refer to section 16 for non-US local Bio-Rad agent contact information.</i>

SECTION 2: HAZARDS IDENTIFICATION -- HAZARDOUS COMPONENTS

This test kit should be handled only by qualified personnel trained in laboratory procedures and familiar with their potential hazards. Specific warnings are given in the instructions for use. The absence of a specific warning should not be interpreted as an indication of safety. The following information is furnished for those product hazardous constituents that require regulatory control or

disclosure at the concentration found in the product. Refer to Section 16 for the full text of any solely abbreviated or coded hazard statements provided below and for the key / legend to abbreviations and acronyms.

Component *	Content
BioPlex 2200 Rhodamine Solution, 10 mL	<ul style="list-style-type: none"> - Phosphate buffered saline solution with < 0.2% Rhodamine [C₂₈H₃₁N₂O₃•Cl], CAS# 81-88-9, EC No 201-383-9. Not subject to GHS, US HCS, EC CLP and analogous global GHS-based regulatory requirements in this product mixture and concentration. - Preserved with 0.034% ProClin 300 (< 0.001% active ingredient), EC Index No 613-167-00-5 with CAS# 55965-84-9. Not subject to GHS, US HCS, and analogous global GHS-based regulatory requirements in this product mixture and concentration. EC CLP: EUH208 – Contains < 0.05%, but ≥ 0.005% ProClin 300 (0.0015% - 0.00015% active ingredient). May produce and allergic reaction. - Preserved with < 0.1% sodium azide [NaN₃], CAS# 26628-22-8 and EC No 247-852-1. Not subject to GHS, US HCS, EC CLP and analogous global GHS-based regulatory requirements in this product mixture and concentration.

* Not for distribution to customers. For Bio-Rad Service Personnel use only.

Markings according to the *United Nations (UN) Globally Harmonized System (GHS)*, *United States Hazard Communication Standard (US HCS)* and *European Commission (EC) 2008/1272/EC (EC CLP) guidelines and analogous GHS-based global regulations*:

The chemical dilutions in this product are not subject to classification or labeling according *United Nations (UN) GHS*, *United States Hazard Communication Standard (US HCS)*, and applicable analogous GHS-based global regulations.

< **0.05% but ≥ 0.005 ProClin 300** [0.0015 % - 0.00015 % active ingredients – reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one (C₄H₄CINOS; CAS# 26172-55-4, EC No 247-500-7) and 2-methyl-2H -isothiazol-3-one (C₄H₅NOS; CAS# 2682-20-4, EC No 220-239-6) (3:1)], EC Index No 613-167-00-5 with CAS# 55965-84-9.

Comprehensive GHS Based Classification: Dilution is not subject to GHS and US HCS labeling requirements.

EUH208 – Contains < 0.05%, but ≥ 0.005 ProClin 300 (0.0015% - 0.00015% active ingredient). May produce and allergic reaction.

[Source: Raw Material vendor SDS, CCOHS databases and regulatory research]

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

The following information is furnished for those product hazardous constituents that require regulatory control or disclosure regardless of the concentration found in the product. Note that the information here is often based on data from the chemical raw material safety data sheet and literature (LD₅₀, exposure limits, etc.). Chemical constituents that do not require regulatory disclosure are not generally included here. This product contains a significantly diluted concentration in an aqueous solution, thus the assessment below has not considered the dilution reduction effect on the hazard. That hazard communication information is provided in Section 2 above. Some components were tested at the concentration found in the kit. In that case, the assessment is provided for the chemical dilution tested and the tested concentration will be provided at the beginning of the *Chemical Ingredient Data/Information* box. The UN GHS, US HCS, EC CLP and analogous GHS-based global regulation classifications were made according to the existing editions and expanded upon from company and literature data. Refer to section 16 for the full text of any *Comprehensive GHS-based Classification* statements coded below, for the list of sources utilized in the assessment and for the key / legend to abbreviations and acronyms.

Chemical Ingredient Data / Information

Chemical Ingredient: Rhodamine B

Chemical concentrations found in this product: < 0.2% w/v in an aqueous solution

Data for Concentrated / 100% chemical used in the product mixture (concentration tested):

CAS#: 81-88-9 (100%)	LD ₅₀ (oral mouse): 887 mg/kg
EC No: 201-383-9 (100%)	LD ₅₀ (oral-rat): NE
RTECS#: BP3675000 (100%)	LC ₅₀ (inhalation-rat): NE
Chemical Formula: C ₂₈ H ₃₁ N ₂ O ₃ •Cl (100%)	LD ₅₀ (skin-rabbit): NE
Molecular weight: 479.01g/mol (100%)	LC ₅₀ (96 hr-fish): NE
Synonyms/Trade Names: FD and C Red No. 19, CI Food Red 15, Basic Violet 10; Brilliant Pink B; Rhodamine O; Tetraethylrhodamine	
Skin corrosion/irritation: Skin - rabbit - No skin irritation	
Serious eye damage/eye irritation: Eyes - rabbit - Severe eye irritation	

Raw Material GHS / US HCS / EC CLP Classification (100%):

DANGER!

Acute Tox. – oral Cat. 4, Eye Damage Cat. 1, Aquatic Acute Cat. 3 , Aquatic Chron. Cat. 3

H302, H318, H412

P264, P270, P273, P280, P305 + P351 + P338, P310 + P312, P330, P501

[Source: Raw Material vendor SDS, CCOHS databases and regulatory research]



Chemical Ingredient: Sodium azide

Chemical concentrations found in this product: < 0.1% w/v in an aqueous solution

Data for Concentrated / 100% chemical used in the product mixture (concentration tested):

CAS#: 26628-22-8 (100%)	LD ₅₀ (oral-rat): 27 mg/kg
EC No: 247-852-1 (100%)	LC ₅₀ (inhalation-rat): 37 mg/m ³
Index No: 011-004-00-7 (100%)	LD ₅₀ (skin-rat): 50 mg/kg (100%)
RTECS#: VY8050000 (100%)	Fish LC ₅₀ – Lepomis macrochirus (Bluegill) – 0.68 mg/l – 96 h
Chemical Formula: NaN ₃ (100%)	
Molecular weight: 65.01g/mol (100%)	
Synonyms/Trade Names: Azide, sodium; Azoture de sodium; Azydek sodu; NSC 3072; Kazoe; Natriumazid; Natriummazide; NCI-C06462; Nemazyd; Sodium azide; Sodium, azoture de; Sodium, azoturo di, Smite; U-3886;	

Raw Material GHS / US HCS / EC CLP Classification (100%):

DANGER!

Acute Tox. – oral. Cat. 2, Acute Tox. – skn. Cat. 1, Aquatic Acute Cat. 1, Aquatic Chronic Cat. 1

H300 + H310, H410

P264, P273, P280, P302 + P350, P310, P501

[Source: Raw Material vendor SDS, CCOHS databases and regulatory research]



Chemical Ingredient Data / Information

Chemical Ingredient: ProClin 300

Chemical concentrations found in this product: **< 0.05% but > 0.005 (0.0015% - 0.00015% active ingredient)**

Hazardous ingredient concentration in raw material:

60-100% Glycols;

1-5% Mixture (3:1) of 5-Chloro-2-methyl-4-isothiazolin-3-one (C₄H₅NOS; CAS# 2682-20-4, EC# 220-239-6)

and **2-Methyl-2H -isothiazol-3-one** (C₄H₄CINOS; CAS# 26172-55-4, EC# 247-500-7)

CAS#: 55965-84-9

Index No: 613-167-00-5

Data for chemical used in the product (concentration tested):

RTECS#: NE

Synonyms/Trade Names: **Synonyms/Trade Names:** 5-Chloro-2-methyl-4-isothiazolin-3-one solution; Kathon 300; Isothiazolinone chloride solution

pH value: 4.1 at 100 g/L (concentrated solution)

Flash Point: 244° F / 118° C (concentrated solution)

LD₅₀ (oral-rat): 862 mg/kg

LD₅₀ (skin-rabbit): 2,800 mg/kg

LC₅₀ (inhalation-rat): NE

LD₅₀ (skin-rabbit): NE

Skin corrosion/irritation - rabbit – Corrosive (concentrated solution)

Serious eye damage/eye irritation - rabbit - Corrosive to eyes (concentrated solution)

Respiratory or skin sensitization - May cause allergic skin reaction (concentrated solution)

Raw Material GHS / US HCS / EC CLP Classification (100%):

DANGER!

Acute Tox. – oral Cat. 4, Skin Corr. Cat. 1B, Eye Damage Cat. 1, Skin. Sens. Cat.1,

Aquatic Acute Cat. 1, Aquatic Chron. Cat. 1

H302, H314, H317, H410

P261, P264, P270, P272, P273, P280, P301 + P312 + P330, P301 + P330 + P331,

P303 + P361 + P353, P305 + P351 + P338, P310, P333 + P313, P363, P391, P405, P501



Product GHS / US HCS / EC CLP Classification: Dilution is not subject to GHS and US HCS labeling requirements.

EUH208 – Contains < 0.05%, but ≥ 0.005% ProClin 300 (0.0015% - 0.00015% active ingredient). May produce and allergic reaction.

[Source: Raw Material vendor SDS, CCOHS databases and regulatory research]

NA: Not Applicable.

NE: Not Established or Unknown (unable to locate data); typically for concentrate form unless otherwise specified.

Related product information:

- ◆ Refer to section 16 for the full text of any *Comprehensive GHS-based Classification* statements, for the list of sources utilized in the assessment and for the key / legend to abbreviations and acronyms.
- ◆ No significant adverse health effects are expected by any route for the miscellaneous salts, buffers, water or other non-reactive ingredients, in the kit volumes and/or concentrations present [chemical or dilution is not subject to GHS,US HCS, EC CLP or other GHS-based hazard labeling].
- ◆ Do not eat, drink or smoke when using this product.
- ◆ Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

SECTION 4: EMERGENCY FIRST AID MEASURES

Health Effects:	May be detrimental if enough is ingested (typically in quantities above those found in the kit).
Eye Contact:	Flush eyes with copious water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers while flushing with water. OBTAIN MEDICAL ATTENTION.

Skin Contact:	Remove contaminated clothing. Flush skin with copious water and wash affected area with soap and water. If blood-to-blood contact occurs, or if more severe symptoms develop, consult a physician.
Inhalation:	Remove person from exposure area to fresh air. If breathing becomes difficult, immediately call for emergency medical assistance. Treat symptomatically and supportively. Generally, this aqueous product is not a significant inhalation hazard in the kit volumes and concentrations present.
If Swallowed:	If ingested, rinse out mouth thoroughly with water, provided the person is conscious, and OBTAIN MEDICAL ATTENTION. Call a physician or the local poison control center. Treat symptomatically and supportively. If vomiting occurs, keep head lower than hips to prevent aspiration.
Notes to Physician:	According to the OSHA Bloodborne Pathogens Standard (29 CFR 1910.1030), Universal Precautions apply. Persons handling human blood source samples should be offered hepatitis B vaccination prior to working with human source material.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media:	Use extinguishing media appropriate for the surrounding fire.
Hazardous Combustion Products:	Oxides of carbon or nitrogen may form when heated to decomposition.
Special Firefighting Procedures:	Conventional firefighting full protective equipment (with NIOSH-approved self-contained breathing apparatus) and procedures appropriate for the surrounding fire should be sufficient.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- ◆ Avoid direct contact with skin, eyes, mucous membranes and clothing by wearing appropriate lab Personal Protective Equipment (PPE) including gloves, lab coat and eye/face protection.
- ◆ In the event of a hazardous material spill, contain the spill if it is safe to do so and immediately move to a safe area, free from potential aerosols, to decontaminate and/or safely remove any contaminated clothing, as necessary. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Isolate the hazard area and ventilate if appropriate. Ensure that appropriate spill cleanup materials and PPE are available and used.
- ◆ Prevent material from entering sewers, waterways or confined spaces.
- ◆ Follow established laboratory policy and applicable WHO/CDC/NIH biosafety and/or WHO/OSHA hazardous material and/or equivalent guidelines for appropriate hazardous chemical and/or biological material spill response and cleanup. Avoid release to the environment.
- ◆ Wear appropriate PPE. Clean the spill area with water and wipe dry. Spills can also be absorbed with appropriate inert materials (e.g. spill pillows, absorbent pads, etc.), which are secured in an appropriate, labeled, sealed container. Material used to absorb the spill may require hazardous material waste disposal. Infectious, Chemical and Laboratory wastes must be handled and discarded in accordance with all local, regional, national and international regulations.
- ◆ Refer to Sections 8 and 13 for more specifics.

SECTION 7: HANDLING AND STORAGE INFORMATION

Handling:	<p>This test kit should be handled only by qualified personnel trained in laboratory procedures and familiar with their potential hazards. Follow proper Good Laboratory Practices and safety guidelines for handling chemical, biological and laboratory hazards.</p> <p>Do not smoke, eat, or drink in areas where patient samples and kit reagents are handled. Wash your hands after use. Wear appropriate personal protective equipment (PPE) including gloves, lab coat or equivalent and eye/face protection.</p> <p>Keep containers tightly closed; avoid splashing, spills and the generation of aerosols. Handle all human source materials, specimens and equipment used to perform the operations as though they were capable of transmitting infectious disease, as per <i>Standard</i> and <i>Universal Precautions</i>.</p> <p>All personal protective equipment should be removed before leaving the work area. Refer to Section 8 for more specifics.</p>
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	Avoid release to the environment. Do not allow undiluted product hazardous chemical ingredient or large quantities of it to reach ground water or water course. Consult with your Environmental Health & Safety Office for assistance.
Storage:	Store the kit components as specified in the product instructions / package insert provided with the test kit or in the instrument operation manual.
Caution, consult accompanying documents. Read and follow <i>BioPlex 2200 System Instrument Manual</i> instructions.	
Not for distribution to customers. For Bio-Rad Service Personnel use. Intended for use with the Bio-Rad BioPlex 2200 System.	

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION MEASURES

Control Parameters – Component chemicals with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Concentrated Active Ingredient ratio in ProClin 300 [CAS# 55965-84-9] - OEL:

GERMANY:	MAK	0.2 mg/m ³ , inhal	2011
THE NETHERLANDS:	MAC-TGG	0.2 mg/m ³	2003
SWITZERLAND:	MAK-W	0.2 mg/m ³	2011
	KZG-W	0.4 mg/m ³ , inhal, sen	

[Source: CCOHS CHEMINFO 2013, RTECS September 2013 Update and Raw Material Vendor Safety Data Sheet]

100% Sodium Azide [CAS# 26628-22-8] - OEL:

AUSTRALIA:	CL	0.11 ppm (0.3 mg/m ³)	2008
AUSTRIA:	MAK-TMW	0.1 mg/m ³	2007
	KZW	0.3 mg/m ³ , skin	
BELGIUM:	TWA	0.1 mg/m ³ ,	2002
	STEL	0.3 mg/m ³ , skin	
DENMARK:	TWA	0.1 mg/m ³ , skin	2011
EC (European Union):	TWA	0.1 mg/m ³	2000
	STEL	0.3 mg/m ³ , skin	
FINLAND:	TWA	0.1 mg/m ³	2011
	STEL	0.3 mg/m ³ , skin	
FRANCE:	VME	0.1 mg/m ³	2006
	VLE	0.3 mg/m ³ , Skin	
GERMANY:	MAK	0.2 mg/m ³ , inhal	2011
HUNGARY:	TWA	0.1 mg/m ³	2000
	STEL	0.3 mg/m ³	
ICELAND:	TWA	0.1 mg/m ³	2011
	STEL	0.3 mg/m ³ , skin	
ITALY	TWA	C 0.29 mg/m ³ , C 0.11 * ppm	*sodium azide, vapor
KOREA:	CL	0.1 ppm (0.3 mg/m ³)	2006
THE NETHERLANDS:	MAC-TGG	0.1 mg/m ³ , skin	2003
NEW ZEALAND:	CL	0.11 ppm (0.29 mg/m ³)	2002
PERU:	TWA	0.1 mg/m ³	2005
	STEL	0.29 mg/m ³	
SWEDEN:	TWA	0.1 mg/m ³	2005
	STEL	0.3 mg/m ³ , Skin	
SWITZERLAND:	MAK-W	0.2 mg/m ³	2011
	KZG-W	0.4 mg/m ³ , inhal	
UNITED KINGDOM:	TWA	0.1 mg/m ³	2007
	STEL	0.3 mg/m ³ , skin	
ARGENTINA, BULGARIA, COLOMBIA, JORDAN, SINGAPORE, VIETNAM		check ACGIH TLV	

100% Sodium Azide [CAS# 26628-22-8] - OEL:

UNITED STATES:	TLV-TWA-Ceiling REL-Ceiling	0.11* ppm / 0.29** mg/m ³ 0.1* ppm / 0.3** mg/m ³	ACGIH, 1996, 2013 NIOSH Recommended Exposure Limits *as HN ₃ vapor; **as NaN ₃ ; Skin
[Source: CCOHS CHEMINFO 2013, RTECS September 2013 Update and Raw Material Vendor Safety Data Sheet]			

Additional information: The lists that were valid during the creation were used as basis.

The following personal protective equipment (PPE) is recommended to prevent blood or other potentially infectious or hazardous materials from reaching the user's work or street clothes, skin, mouth, mucous membranes and eyes, or hazardous inhalation, under normal conditions of use and for the time during which the protective equipment is utilized:

Ventilation:	Adequate lab ventilation is required.
Eye / Face Protection:	Wear ANSI approved safety glasses, goggles or face shield with safety glasses or goggles. Contact lenses should not be worn when handling lab hazards.
Protective Gloves:	Suitable gloves must be worn at all times when handling kit reagents or patient samples to provide skin protection from splash and intermittent contact. Synthetic gloves, such as Nitrile, Neoprene and Vinyl, are recommended because they are sturdy, effective and contain no natural latex ingredients associated with latex glove allergic reactions. Disposable (single use) gloves should be changed often and never be reused. Wash hands thoroughly after removing gloves.
Protective Clothing:	Wear a lab coat, clinic jacket, gown, apron and/or smock. Disposable clothing is strongly recommended when handling biohazardous material.
Respiratory Protection:	Not Required.
Other:	All personal protective equipment should be removed before leaving the work area and placed in an appropriately designated area or container for storage, processing, decontamination or disposal.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Translucent fuchsia colored aqueous liquid.		
Odor/odour:	No applicable information was found.	Odor/odour Threshold:	Not Established.
pH:	Neutral, pH between 6 and 8.		
Boiling Point:	Undetermined.	Melting Point:	Undetermined.
Flash Point:	Not Applicable. Flammable limits: LEL/LFL is <u>Not applicable</u> ; UEL/UFL is <u>Not applicable</u> .		
Evaporation rate:	No applicable information was found.		
Fire Hazard:	Although the components have not been tested for fire hazard and explosion data, being water-based, they are not expected to be fire hazards, but some of the kit packaging materials may burn under fire conditions.		
Vapor/vapour Pressure:	No applicable information was found.		
Vapor/vapour Density:	No applicable information was found.		
Relative Density:	Approximately 1.		
Solubility:	Miscible in water.		
Partition coefficient (n-octanol/water):	No applicable information was found.		
Auto Igniting:	Product is not known to be self-igniting.		
Decomposition temperature:	No applicable information was found.		
Viscosity:	No applicable information was found.		

Danger of Explosion:	<i>Sodium azide</i> may react with lead or copper plumbing to form highly explosive metal azides; build-up in metal plumbing has led to laboratory explosions, so flush with copious water when pouring dilute solutions down the drain to prevent such explosive build-up.
Molecular mass:	Mixture.
No Other Standard Characteristics applicable to the identification or hazards of the product are known.	
<i>Source: Raw Material vendor SDS, CCOHS databases and/or regulatory research</i>	

SECTION 10: STABILITY AND REACTIVITY INFORMATION

NOTE: Chemical reactions that could result in a hazardous situation (e.g. generation of flammable or toxic chemicals, fire or detonation) are listed here. Although not intended to be complete, an overview of important reactions involving common chemicals is provided to assist in the development of safe work practices.

Chemical stability / Reactivity:	Components are stable with no known inherent significant reactivity.
Conditions and/or materials to avoid:	Avoid contact with metals. <i>Sodium azide</i> may react with lead or copper plumbing to form highly explosive metal azides; build-up in metal plumbing has led to laboratory explosions, so flush with copious water when pouring dilute solutions down the drain to prevent such explosive build-up.
Hazardous decomposition products:	Oxides of carbon or nitrogen may form when heated to decomposition.
Hazardous polymerization:	Has not been reported to occur.

SECTION 11: TOXICOLOGICAL INFORMATION -- GENERAL COMPOSITE

Refer to Sections 2 and 3 for the kit component concentrations. The composite toxicological information for this product is:

Acute Health Effects

Acute Toxicity:	May be detrimental in contact with skin and if enough is ingested (typically in quantities above those found in the kit).
Primary Irritant Effect:	No significant irritant effect known.
Serious Eye Damage / Irritation:	No significant irritant effect known.
STOT-Single Exposure:	No applicable information was found.
Aspiration Hazard:	No applicable information was found.
Other Acute Health Effects:	No significant other acute health effect known.

Chronic Toxicity

Respiratory or Skin Sensitization:	<i>EC CLP:</i> EUH208 – Contains < 0.05%, but ≥ 0.005% <i>ProClin 300</i> (0.0015% - 0.00015% active ingredient). May produce an allergic reaction.
Carcinogenicity:	<i>Rhodamine B Dye</i> is Known to the State of California to cause cancer. There is limited evidence that this material contains constituent(s) that causes cancer in laboratory animals. There is no or insufficient evidence that this material causes cancer in humans.
Germ Cell Mutagenicity:	No applicable information was found.
Reproductive hazard:	Suspected reproductive toxin based on limited animal evidence.
STOT-Repeated Exposure:	No applicable information was found.

Additional Toxicological Information: To the best of our knowledge, the chemical, physical and toxicological properties have NOT been thoroughly investigated for some of the component chemicals and/or mixtures.

SECTION 12: ECOLOGICAL INFORMATION

This product was not tested. The following assessment is based on information for the ingredients.

Ecotoxicity:	<p>100% Sodium Azide [CAS# 26628-22-8] *: Fish LC₅₀ - Lepomis macrochirus - 0.68 mg/l - 96 h Daphnia EC₅₀ - Daphnia pulex (Water flea) - 4.2 mg/l - 48 h</p> <p>Concentrated ProClin 300 (Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)) [CAS# 55965-84-9]**:</p> <p>Fish LC₅₀ – Lepomis macrochirus (US EPA FIFRA 72-1, flow-through mm) – 0.28 mg a.s. /L – 96 h Fish LC₅₀ – Oncorhynchus mykiss (OECD TG 203, static) – 0.22 mg a.s. /L – 96 h Fish LC₅₀ – Oncorhynchus mykiss (OECD TG 204, flow-through mm) – 0.09 mg a.s. /L – 14 d Fish 36-d NOEC – Pimephales promelas (US EPA FIFRA 72-4, flow-through mm) – 0.02-0.12 mg a.s. /L Fish 28-d NOEC – Oncorhynchus mykiss (OECD TG 215, semi-static nom) – 0.098 mg a.s. /L Daphnia EC₅₀ – Daphnia magna (US EPA 72-2, flow-through mm) – 0.16 mg a.s. /L – 48 h Daphnia EC₅₀ – Daphnia magna (US EPA 72-4, semi-static mm) – 0.10 mg a.s. /L – 21 d</p> <p><small>*Source: Raw Material vendor SDS, RTECS, CCOHS databases and/or regulatory research ** Source: ECHA RAC report for CAS#55965-84-9 [10 March 2016]</small></p>
Persistence and degradability:	No information found.
Bioaccumulation potential:	No information found.
Mobility in soil:	No information found.
PBT and vPvB assessment:	No information found.
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Avoid release to the environment.

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of hazardous and/or laboratory wastes, product or packaging must be conducted in accordance with all applicable local, regional, national and international regulations. This section specifies the general and United States RCRA requirements. Processing, use or contamination of the kit components may change waste management requirements and options. Contact your Environmental Health & Safety Office for your specific disposal procedures.

Recommended Product Disposal: *Sodium azide* may react with lead or copper plumbing to form highly explosive metal azides; build-up in metal plumbing has led to laboratory explosions, so flush with copious water when pouring dilute solutions down the drain to prevent such explosive build-up; check your applicable ordinances accordingly.

Do not allow undiluted product or large quantities of it to reach ground water or water course.

Recommended Unclean Packaging Disposal: Dispose in accordance with all applicable local, regional, national and international regulations.

SECTION 14: TRANSPORT INFORMATION

Shipping of product, packaging and waste must be conducted in accordance with all applicable local, regional, national and international regulations. Processing, use or contamination of the kit components may change shipping requirements and options. Contact your Environmental Health & Safety Office for your specific shipping procedures.

Recommended Unused Product Multi-Modal Transportation: According to IATA, ADG, ADN, ADR, DOT, IMDG, TDG and UN “Model Regulations”, the product must be transported as follows: No known transport restrictions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

Composite HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0

Carcinogenicity Categories:

IARC (International Agency for Research on Cancer):

IARC Group 3, The Agent is NOT CLASSIFIABLE as Carcinogenic to Humans:
Rhodamine B, CAS# 81-88-9.

NTP (National Toxicity Program): The Product does not contain listed ingredients. The Product does not contain listed ingredients.

ACGIH TLV-CAR (Threshold Limit Value established by American Conference of Governmental Industrial Hygienists): The Product does not contain listed ingredients.

OSHA Subpart Z (Occupational Safety and Health Administration, U.S. Department of Labor) The Product does not contain listed ingredients.

National Regulations – Other Domestic / Foreign Laws:

Hazard communication compliance – This SDS contains the required information for preparation in accordance with the following GHS-based global regulations:

1. **United States** – Occupational Safety Health Administration *Hazard Communication Standard 29 CFR 1910.1200 (US HCS)*
2. **Taiwan** – OSHA Published National Standard **CNS 15030** Classification and Labelling of Chemicals
3. **Singapore** – SS 586 - 2 : 2014
4. **Russia** – GOST 31340-2013, GOST 32419-2013, GOST 32423-2013, GOST 32424-2013, GOST 32425-2013, R 50.1.102-2014, R 50.1.101-2014
5. **People’s Republic of China** – National Standard **GB/T 17519-2013, GB 30000-2013**
6. **New Zealand** – *Hazardous Substances and New Organisms Act (HSNO)*
Composite HSNO Hazard Class: Based on available data, the classification criteria are not met.
7. **Mexico** – **Standard NOM-018-STPS-2015, NMX-R-019-SCFI-2011**
8. **Korea** – *MoEL-Public Notice 2016-19, 2013-37 Standard for classification and labeling of chemical substances and MSDS*
9. **Japan** – Industrial Safety and Health Law (ISHL) National Standard **JIS Z7252, JIS Z7253**
10. **European Commission (EC)** – applicable *CLP* related regulations (**2010/453/EC, 2008/1272/EC, 2006/1907/EC** etc.)
11. **Canada** – Hazardous Products Regulations (HPR) / Standard *Workplace Hazardous Materials Information System (WHMIS-GHS)*
Canadian Standard for the hazard classification criteria for this product.
Composite WHMIS Hazards: Based on available data, the classification criteria are not met.
12. **Brazil** – Regulation **ABNT NRB 14725**
13. **Australia** – Code of Practice *Preparation of Safety Data Sheets for Hazardous Chemicals* under Section 274 of the **Work Health and Safety (WHS) Act**.
14. Analogous GHS-based global regulations

Inventory status

Country(s) or region Inventory name	In Compliance (yes/no)*
Australia - Australian Inventory of Chemical Substances (AICS)	Yes
Canada - Domestic Substances List (DSL)	Yes
Canada - Non-Domestic Substances List (NDSL)	Yes
China - Inventory of Existing Chemical Substances in China (IECSC)	Yes
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) or European List of Notified Chemical Substances (ELINCS)	Yes
Japan - Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea - Existing Chemicals List (ECL)	Yes
New Zealand - New Zealand Inventory	Yes
Philippines - Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan inventory - CSNN	Yes
United States & Puerto Rico - Toxic Substances Control Act (TSCA) Inventory	Yes

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Regulation (EC) No. 1907/2006 (REACH):

Chemicals included in the Candidate List of Substances of Very High Concern (SVHC): **None**

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

US Food and Drug Administration: Rhodamine B is certified for use as a color additive in drugs and cosmetics by the USA Food and Drug Administration.

United States SARA (Superfund Amendments and Reauthorization Act of 1986):

SARA 302 (extremely hazardous substance) components: The following components are subject to reporting levels established by SARA Title III, Section 302 in greater quantities than found in this product:

Sodium Azide, CAS# 26628-22-8; Revision Date: 2007-07-01

SARA 313 components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Japan – Industrial Safety and Health Law (ISHL) National Standard JIS Z7252, JIS Z7253

Classification JIS – listed in Class 1 - Listed substances: Sodium Azide, CAS# 26628-22-8 [No. PRTR Law: 11], product concentration: **< 0.1%**.

Classification JIS – listed in Class 2 - Listed substances: None

Water hazard class: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Chemical(s) Known to cause Cancer: **Rhodamine B** aqueous solution, EC No. 201-383-9, CAS# 81-88-9.

Chemicals known to cause reproductive Toxicity: The Product does not contain listed substances.

SECTION 16: OTHER INFORMATION

Hazard statement abbreviation(s):

Acute Tox. – oral.	Acute toxicity – ingested (swallowed)
Acute Tox. – skn.	Acute toxicity – skin contact (dermal)
Skin Corr.	Skin corrosion
Eye Damage.	Serious eye damage
Skin Sens.	Skin sensitisation
Aquatic Acute	Acute aquatic toxicity
Aquatic Chron.	Chronic aquatic toxicity
Cat.	Category

H300 + H310	Fatal if swallowed or in contact with skin.
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

P261	Avoid breathing mist / vapors/vapours / spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P330	Rinse mouth.

P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	This material and its container must be disposed of as hazardous waste.
P501	Dispose of this material and its container to hazardous or special waste collection point.
P501	Dispose of contents/container to in accordance with local/regional/national/international regulation.

This test kit should be handled only by qualified personnel trained in laboratory procedures and familiar with their potential hazards. Specific warnings are given in the instructions for use. The absence of a specific warning should not be interpreted as an indication of safety.

Not for distribution to customers. For Bio-Rad Service Personnel use. This product is intended for use with the Bio-Rad BioPlex 2200 System.

Chemical safety assessment: Mixtures covered in this SDS were classified using the US HCS, EC CLP and/or UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Fifth edition unless otherwise specified.

Sources of key data used to compile the Safety Data Sheet:

Raw Material Vendor Safety Data Sheets
United Nations (UN) Globally Harmonized System (GHS)
United States OSHA Hazard Communication Standard (US HCS) 1910.1200
Canadian Workplace Hazardous Materials Information System (WHMIS)
Mexican Standard (NOM-018-STPS-2015, NMX-R-019-SCFI-2011) [regulatory translation and summaries]
European Commission (EC) Regulations 2008/1272/EC, 2010/453/EC, 2006/1907/EC (EC CLP)
Australian Code of Practice – Preparation of Safety Data Sheets for Hazardous Chemicals (Section 274 of the *Work Health and Safety Act*)
New Zealand – Hazardous Substances and New Organisms Act (HSNO)
The People's Republic of China National Standard GB/T 17519-2013, GB 30000-2013 [regulatory translation if available and summaries]
Taiwan OSHA Published National Standard CNS 15030 [regulatory translation if available / summaries]
Korean MoEL-Public Notice 2016-19, 2013-37 [regulatory translation if available and summaries]
Japanese Industrial Standard JIS Z7252, JIS Z7253 [regulatory translation if available and summaries]
Registry of Toxic Effects of Chemical Substances (RTECS)
Canadian Centre for Occupational Health and Safety (CCOHS) *CHEMINFO* databases, etc.
International Agency for Research on Cancer (IARC)
American Conference of Governmental Industrial Hygienists (ACGIH)
Occupational Safety and Health Administration, U.S. Department of Labor (OSHA)
National Toxicity Program (NTP)
National Institute for Occupational Safety and Health (NIOSH)
World Health Organization. Laboratory Biosafety Manual
CDC/NIH Biosafety in Microbiological and Biomedical Laboratories
PAN Pesticides Database – Chemical Studies on Aquatic Organisms
Australian Inventory of Chemical Substances (AICS) Listing
California Proposition 65

Key / legend to abbreviations and acronyms used in the safety data sheet:

ACGIH – American Conference of Governmental Industrial Hygienists
AICS – Australian Inventory of Chemical Substances
ANSI – American National Standards Institute
CAS – Chemical Abstracts Service
CCOHS – Canadian Centre for Occupational Health and Safety
CDC – Centers for Disease Control, USA
CNS – Central Nervous System
DGSMA – Dangerous Goods Safety Management Act
DOT – Department of Transportation, USA
EC₅₀ – half maximal effective concentration
EC CLP – European Commission regulation for the Classification, Labeling and Packaging of chemical substances and mixtures
EU – European Union
GHS – Globally Harmonized System
HNO – Hazard Not Otherwise Classified
HSNO – Hazardous Substances and New Organisms Act 1996 (New Zealand)
IARC – International Agency for Research on Cancer
IATA – International Air Transport Association
ICAO – International Civil Aviation Organization
IDLH – Immediately Dangerous to Life or Health
IMDG – International Maritime Dangerous Goods
IPCS – International Programme on Chemical Safety
ISHA – Industrial Safety and Health Act
LC₅₀ – median lethal concentration, 50%
LD₅₀ – median lethal dose, 50%
MSDS – Material Safety Data Sheet
NIH – National Institute of Health
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicity Program
OEL – Occupational Exposure Limit
PEL – Permissible Exposure Limit
ppm – parts per million
RTECS – Registry of Toxic Effects of Chemical Substances
SDS – Safety Data Sheet
STEL – Short Term Exposure Limit
STOT – Specific Target Organ Toxicity
TCCA – Toxic Chemical Control Act
TLV/TWA – Threshold Limit Value / Time-Weighted Average
UN – United Nations
US EPA – United States Environmental Protection Agency, USA
US HCS – Hazard Communication Standard, USA
US OSHA – Occupational Safety and Health Administration, U.S. Department of Labor
WHMIS – Workplace Hazardous Materials Information System, Canada
WHO – World Health Organization (United Nations)

Additional information: The lists that were valid during the creation were used as basis.

This Revision: Updated, reformatted and added new GHS information.

Preparation date: Refer to the date in the footer.

Bio-Rad Laboratories:

Department issuing SDS: Environmental Health and Safety.

Contact for general SDS information: Seattle Operations, Environmental Health & Safety, 6565 185th Ave. NE, Redmond, WA 98052, USA, Phone: 425-881-8300 (8 am to 5 pm PT), ro-sds@bio-rad.com

Customer support contact: Clinical Diagnostics Group, 4000 Alfred Nobel Drive, Hercules, CA 94547, USA
Phone: 1-800-224-6723, www.bio-rad.com/diagnostics

Emergency Contact (24/7/365) – Chemtrec: 1-800-424-9300 or 1-703-527-3887 (USA/CAN) / +1-703-741-5970 (international – can be called collect).

Contact Local Bio-Rad Agents for general information:

Australia, Bio-Rad Laboratories Pty. Ltd., Level 5, 446 Victoria Road, Gladesville NSW 2111 • Phone 61-2-9914-2800 • Fax 61-2-9914-2888 •
Poison Information Centre: 13 11 26 (24 hours a day, anywhere in Australia); +61 13 11 26 • **24h/365d**: 1800 039 008 • Chemtrec (**24h/365d**): +(61)-290372994
Austria, Bio-Rad Laboratories Ges.m.b.H., Hummelgasse 88/3-6, A-1130 Vienna • Phone 43-1-877-8901 • Fax 43-1-876-5629 •
Poison Information Centre: +43 1 406 43 43 • Chemtrec (**24h/365d**): +(43)-13649237

- Belgium**, Bio-Rad S.A.-N.V. Winninglaan 3, BE-9140 Temse • Phone +32 (3)710-53-00 • Fax +32 (3)710-53-01 • Poison Information Centre / Belgisch Antigifcentrum: Brussels: +32 70 245 245; Luxembourg: 070 245 245 / 8002 5500 (every day, 24 to 24 hours) • Chemtec (24h/365d): +(32)-28083237
- Brazil**, Bio-Rad Laboratórios Brasil Ltda, Rua Alfredo Albano da Costa, 100 / Distrito Industrial, Lagoa Santa - MG, CEP: 33400-000 • Phone +55 (31)3689-6600 • Fax +55 (31)3689-6611 • Contatos com a área de Suporte Técnico ao Cliente (CTS - Customer Technical Support): Telefones: 4003-0399 (Capital e Regiões Metropolitanas) e 0800 880 0092 (Outras Localidades) • Centro de Informações Toxicológicas: 0800 643 5252 • Telefone para emergências / Chemtec (24h/365d): +(55)-2139581449
- Canada**, Bio-Rad Laboratories, Ltd., 2403 Guénette Street, Montréal, Québec H4R 2E9 • Phone 1-514-334-4372 • Fax 1-514-334-4415 • Poison Information Centre: Alberta: 1 800 332 1414; British Columbia: 1 800 567 8911; Manitoba: 1 855 776 4766; New Brunswick: 911; Newfoundland: 709 722 110; Northwest Territories: 1 800 332 1414; Nunavut: 867 979 7350 (Iqaluit), 867 983 2531 (Cambridge Bay), 867 645 2816 (Rankin Inlet); Ontario: 1 800 268 9017; Prince Edward Island: 1 800 565 8161; Québec: 1 800 463 5060; Saskatchewan: 1 866 454 1212; Yukon: 867 393 8700 • Chemtec (24h/365d): 1-800-424-9300 / 1-703-527-3887
- China**, Bio-Rad Laboratories Shanghai Ltd. 3rd Floor, #18 Dong Fang Road, Bldg E, Poly Plaza, Pudong, Shanghai, PRC 200120 • Phone 86-21-61698500 • Fax 86-21-61698599 • National Poison Control Center: +86 10 831 323 45 • Chemtec (24h/365d): 4001-204937
- Czech Republic**, Bio-Rad spol. s r.o., Nad ostrovem 1119/7, 147 00 Prague 4 • Phone 420-241-430-532 • Fax 420-241-431-642 • Toxikologické informační středisko: +420 224 919 293, +420 224 915 402 • Chemtec (24h/365d): +(420)-228880039
- Denmark**, Bio-Rad Laboratories, Symbion Science Park, Fruebjergvej 3, DK-2100 Copenhagen East • Phone +45-4452-1000 • Fax +45-4452-1001 • Poison Information Center / Giftlinjen Ring: +45 82 12 12 12 • Chemtec (24h/365d): +(45)-69918573
- Finland**, Bio-Rad Laboratories, Linnanherrankuja 16, FIN-00950 Helsinki • Phone 358-9-804-22-00 • Fax 358-9-7597-5010 • Poison Information Centre: Myrkytietokeskus: +358 9 471977 Avoimena 24 t / vrk • Chemtec (24h/365d): +(358)-942419014
- France**, Bio-Rad, 3 boulevard Raymond Poincaré, 92430 Marnes-la-Coquette • Phone 33-1-47-95-60-00 • Fax 33-1-47-41-91-33 • Numéro ORFILA + 33 (0)1 45 42 59 59 (24 heures sur 24 - 7 jours sur 7) • Chemtec (24h/365d): +(33)-975181407
- Germany**, Bio-Rad Laboratories GmbH, Heidemannstrasse 164, D-80939 Munich • Phone +49-(0)89-318-840 • Fax +49-(0)89-318-84100 • Giftinformationszentren: Berlin: 030/19240 (Notruf); Bonn: 0228/19240 (Notruf); Erfurt: 0361/730 730; Freiburg: 0761/19240 (Notruf); Göttingen: 0551/19 240 (Notruf); Homburg: 06841/19240 (Notruf) 06841/1628436 (Sekretariat); Mainz: 06131/19240 (Notruf); 06131-23 24 66 (Infoline); München: 089/19240 (Notruf) • Chemtec (24h/365d): 0800-181-7059 oder +(49)- 69643508409
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- India**, Bio-Rad Laboratories (India) Pvt. Ltd., Bio-Rad House, 86-87, Udyog Vihar, Phase IV, Gurgaon, Haryana 122 015 • Phone 1-800-180-1224 • Fax 91-124-2398115 • National Poison Information Centre: Toll Free No. - 1 800 116 117 (24h/365d) • Chemtec (24h/365d): 000-800-100-7141
- Israel**, Bio-Rad Laboratories Ltd., 14 Homa Street, New Industrial Area, Rishon Le Zion 75655 • Phone 972-3-9636050 • Fax 972-3-9514129 • Poison Information Center: 04-7771900 (24/7) or 4 854 1900 • Chemtec (24h/365d): +(972)-37630639
- Italy**, Bio-Rad Laboratories S.r.l., Via Cellini 18/A, 20090 Segrate, Milan • Phone +39-02-216091 • Fax +39-02-21609553 • Poison Information Centro / Centro Antiveleni: Bergamo: +39 800 883 300; Firenze: +39 55 794 7819; Foggia: +39 881 732 326; Milan: +39 02 6610 1029; Pavia: +39 38 224 444; Rome: +39 06 305 43 43; Turin: +39 011 663 7637 • Chemtec (24h/365d): 800-789-767 o +(39)-0245557031
- Japan**, Bio-Rad Laboratories K.K., Tennoz Central Tower 20F, 2-2-24 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140 0002 • Phone 81-3-6361-7070 • Fax 81-3-5463-8481 • Poison Information Centre: Tsukuba-City: +81 72 727 2499 / +81 29 852 9999; Minoh City: +81 (0)72 727 2499 • Chemtec (24h/365d): +(81)-345209637
- Korea**, Bio-Rad Korea Ltd., 10th Floor, Hyunjuk Building, 832-41, Gangnam-gu, Seoul 135-080 • Phone 82-2-3473-4460 • Fax 82-2-3472-7003 • Poison Control Information: Yongsan Army Base: 7917-5545/6001; Seoul Poison Center: 129 • Chemtec (24h/365d): +(82) 070-7686-0086 또는 00-308-13-2549
- México**, Bio-Rad, S.A., Avenida Eugenia 197, Piso 10-A, Colonia Narvarte, Delegación Benito Juárez, C.P. 03020 División de Diagnóstico Clínico "CDG" • Tel: 54887690 ó 54887670 Ext. 1031 • Correo: cts_cdg_mexico@bio-rad.com • Línea gratuita desde el interior de la república: 01 800 712 0190 • Centro de Información Toxicológica: 1 800 009 2800 • Teléfono de emergencia: Chemtec (24h/365d): 01-800-681-9531
- The Netherlands**, Bio-Rad Laboratories B.V., Postbus 222, 3900 AE Veenendaal • Phone +31-318-540666 • Fax +31-318-542216 • Poison Information Centre: NVIC (030 274 88 88), Only for the purpose of informing medical personnel in cases of acute intoxications. Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen • Chemtec (24h/365d): +(31)-858880596
- New Zealand**, Bio-Rad New Zealand, 189 Bush Road Unit B, Albany, Auckland • Phone 64-9-415-2280 • Fax 64-9-415-2284 • National Poisons Centre: +0800 764 766 • 24h/365d: 800 2436 2255 • Chemtec (24h/365d): +(64)-98010034
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- Singapore**, Bio-Rad Laboratories (Singapore) Pte. Ltd., 27 International Business Park, #01-02 iQuest @IBP, Singapore 609924 • Phone 65-6415-3170 • Fax 65-6415-3189 • 24/7/365: 65-6415-3188 • Poison Information Centre: 6423 9119 (24h/365d); +61 13 11 26 (Australian hotline) • Chemtec (24h/365d): 800-101-2201 或 +(65)-31581349
- South Africa**, Bio-Rad Laboratories (Pty) Ltd., 34 Bolton Road, Parkwood, Johannesburg 2193 • Phone 27-11-442-85-08 • Fax 27-11-442-85-25 • Poison Information Centre: +27 824 910 160; Rondebosch: +27 (0) 861 555 777; Tygerberg: +27 (0) 861 555 777 • Chemtec (24h/365d): 0-800-983-611
- Spain**, Bio-Rad Laboratories, S.A., C/ Caléndula, 95, Edificio M. Miniparc II, El Soto de la Moraleja, 28109 Madrid • Phone 34-91-590-5200 • Fax 34-91-590-5211 • Servicio de Información Toxicológica: +34 91 562 0420 • Chemtec (24h/365d): +(34)-931768545
- Sweden**, Bio-Rad Laboratories A.B., Box 1097, Solna Strandväg 3, SE-171 54, Solna • Phone +46-8-555-127-00 • Fax +46-8-555-127-80 • Poison Information Centre / Giftinformationscentralen: När det är akut (urgent): 112 Begär giftinformation; I mindre akuta fall (less urgent): +46 (0) 10 456 6700 Direktnummer [Vi svarar på frågor om akuta förgiftningar - dygnet runt, året runt] • Chemtec (24h/365d): +(46)-852503403
- Switzerland**, Bio-Rad Laboratories AG, Pra Rond 23, CH-1785 Cressier • Phone +41 (0)26-674-55-05/06 • Fax +41 (0)26-674-52-19 • Email: swiss@bio-rad.com • Toxicological Information Centre: 145 (24-h-Notfallnummer) • Chemtec (24h/365d): +(41)- 435082011
- Taiwan**, Bio-Rad Laboratories Taiwan Ltd., 14F-B, No. 126 Nan-King East Road, Sec. 4, Taipei, Taiwan 10546 R.O.C. • Phone 886-2-2578-7189 • Fax 886-2-2578-6890 • Chemtec (24h/365d): 00801-14-8954

Thailand, Bio-Rad Laboratories Ltd., 1st & 2nd Floor, Lumpini I Bldg., 239/2 Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330 • Phone 662-651-8311 • Fax 662-651-8312 • Poisons Control Center: 1367, Line ID poisrequest (national callers); +66 2 419 7007 • Chemtrec (24h/365d): 001-800-13-203-9987
United Kingdom, Bio-Rad Laboratories Ltd., 3rd & 4th Floor, The Junction, Station Road, Watford, Hertfordshire, WD17 1ET • Phone +44 01 923 47 1301 • Fax +44 (0) 208 328 2550 • Freephone: 00 800 00 BIORAD (00 800 00 24 67 23) • **Emergency number:** + 44 111 (NHS Emergency support) **9am-5pm Mon-Fri:** • Email: techsupport.uk@bio-rad.com • Poisons Information Centre: NHS 111 / 844 892 0111 • Chemtrec (24h/365d): +(44)-870-8200418
United States: American Association of Poison Control Centers call (800) 222-1222 (24h/365d) • Chemtrec (24h/365d): 1-800-424-9300 / 1-703-527-3887

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